1. Names, email addresses, and Member numbers of elected Officers. The following are new elected officers in August 2016
   President : Guan-Hong Chen       Email:blueskybill@mail.fcu.edu.tw
   Vice-President: Yu-Ling Huang     Advisor: Prof. Shien-Kuei Liaw
   Secretary: Kai Huang              Treasurer: Yi-Chia Ting

2. List of current Student Chapter Members

<table>
<thead>
<tr>
<th>Guan-Hong Chen</th>
<th>Kai Huang</th>
<th>Yi-Chia Ting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yen-Tse Cheng</td>
<td>Hong-Jhih Huang</td>
<td>Po-Hsiang Tsai</td>
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<tr>
<td>Assamen Ejgu</td>
<td>Tang-Yi Huang</td>
<td>Lien Thi Vu</td>
</tr>
<tr>
<td>Yi-zhi Haung</td>
<td>An-Jie Liang</td>
<td>Zendhiastara Yudhi</td>
</tr>
<tr>
<td>Yu-Ling Huang</td>
<td>Te-Hsun Lin</td>
<td>Chih-En Wang</td>
</tr>
</tbody>
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3. Details of Chapter activities since last report. Describe exactly how chapter grant funding was spent.

Taiwan Tech Student Chapter was established in fall 2013. No annual report for 2013 was required while the annual report for 2014 2015 had been submitted but was past due. Thus, no fund was grant by SPIE so far.

Were these activities described in your funding request?

The cost for 2016 activities was covered by ourselves

2. Details of Chapter activities since last report.
Describe exactly how chapter grant funding was spent.
It seems Taiwan Tech Chapter didn’t apply the chapter grant funding last year.

Summary of annual activities of SPIE Taiwan Tech Chapter
Bi-weekly (routine) academic meeting:
A 2-hour routine of paper reading and discussion meeting. The student members share their ideas to one another after articles reading. As usual, the student chapter advisor and almost all the student members attended the academic meetings. For each month, we have at least two bi-weekly meetings so there were about 26 official meetings during the past twelve months.
Participated OPTIC 2016

Optics & Photonics Taiwan, the International Conference (OPTIC 2016) is the largest annual conference on optics and photonics in Taiwan. Last year, OPTIC 2016 was hosted by National Taiwan University of Science and Technology (Taiwan Tech) in Taipei, Taiwan, from December 3 to December 5. With attendance of more than 1200 people from academia, government and industry, OPTIC 2016 provided an excellent opportunity to exchange ideas and present latest advancements in optics and photonics.

The student chapter advisor, Professor Yi-Hsin Lin, chaired the lunch meeting of Taiwan SPIE student chapters during OPTIC 2016. Up to five student chapters from five Taiwanese universities presented their activities in 2016. There were 5 Taiwan Tech student members who attended SPIE.

Fig. 1. Group photo of Prof. SK Liaw’s lab. Fig. 2. Students listened to invited speech in OPTIC 2016 Taiwan.

In April 2017, Dr. Chun-Chung Chen from National Center for Research on Earthquake Engineering, gave a lecture (Fig. 3) in “Fiber sensing technologies for bridge and highway applications.” The SPIE student members and some graduate students listened to the lecture with great interests. Also in April 2017, the students visited National Center for Research on Earthquake Engineering. There were 14 students who participated (Fig. 4).
Attended a short course by an industrial expert
Chunghua Telecom Corp. is the biggest telecommunication company in Taiwan. In May 2017, the Photonic Technology Director of Chunghua Telecom Corp., JW Liaw, visited Prof. Liaw’s lab (Fig. 5) and shared his 30-year research experiences with students.

Farewell party for SPIE student members:
The members of Taiwan Tech SPIE Student Chapter joined the farewell lunch party on August 4th, 2017 (Fig. 6). There were four graduate students receiving their Master degrees. The Chapter advisor Prof. Shien-Kuei Liaw and the SPIE chapter students enjoyed the delicious lunch very much.

Birthday party
In Sep. 2017, the advisor SK Liaw celebrated the labmates’ birthday (Fig. 7) and the SPIE student members also participated. In Oct. 2017, Dr. Chinlon Lin from US visited ECE department of Taiwan Tech for two weeks. Dr. Lin is the inventor of dispersion
compensating fiber. He gave one lecture and one short course to the graduate students and SPIE student members (Fig. 8). He also advised SPIE student members in research and experiments.

Fig. 7. The advisor SK Liaw and the labmates; Fig. 8. 100 students listened to Dr. Chinlon Lin’s lecture.

**2017 FOAN (Workshop of Fiber Optics Technologies for Access network)**

In Nov. 2017, two members of Taiwan Tech Chapter went to Munich, Germany for FOAN 2017 workshop. They presented two papers in the workshop and met Dr. Gerd Keiser (SPIE fellow), taking a photo together (Fig. 9). He is the author of famous text book “optical fiber communications”. The primary goal of FOAN 2017 is to bring and present the latest research in the field of Fiber Optics Technologies for Access network. FOAN is part of the International Congress on Ultra modern Telecommunication and Control Systems (ICUMT). The event is positioned as a major international annual congress for the presentation of original and fundamental research and engineering results. Fig. 10 After midterm exam, 8 SPIE student members had one-day trip to northeast part of Taiwan for sightseeing. It is 90 mins distance from our university.

Fig. 9. Two student members have photo with Dr. Gerd Keiser.

Fig. 10 SPIE students had one-day trip northeast Taiwan for sightseeing.
3. Details of planned activities in the future.
(a) Encouraging students of the SPIE Taiwan Tech Chapter to attend international conferences. Student member will learn the knowledge and exchange cultures with foreign students and experts.
(b) Continuing the academic routine and social activities as those we have done in 2017.
(c) Promoting the SPIE student chapter (Outreach Events) of Taiwan Tech to increase the members.
(d) Encouraging student members to attend SPIE sponsor activities and apply travel grant.
(e) Inviting the international academics to Taiwan Tech for speech.
(f) Choosing the new leader of Taiwan Tech chapter from new members.

- Beginning balance: 500+250 USD
- Funds raised and expended (indicate amounts and source/destination):
  - Speech fee of an industrial expert: 100 USD
  - travelling cost to National Earthquake Research Center (10 persons): 50 USD
  - Farewell dinner (12 persons): 300 USD
  - Registration fee of domestic conference (3 persons): 300 USD
- Details of SPIE funding received: 500 USD
- Other sources (please specify):
  - 250 USD supported by ECE Department office of Taiwan Tech
- Ending balance: 0 USD